



**Program Management Community Support Department (AIR 1.1)  
Environmental Support Office (AIR 1.1E)**



# The Annual Fleet Environmental Information Exchange



*NAVAIR Gathers Sailors & Marines  
to Solve Aviation Maintenance Challenges*



Fleet aviation maintenance personnel with environmental responsibilities have an information-rich resource to help them achieve the dual goals of operational readiness and environmental protection.

Each year, the Naval Air Systems Command's (NAVAIR) Program Management Community Support Department (PMCSO) Environmental Support Office (AIR 1.1E) sponsors the Fleet Environmental Information Exchange (EIE) to address the outstanding environmental management needs of aviation maintenance personnel through the timely exchange of advice about innovative maintenance practices and technologies.

The first day of the EIE typically focuses on obtaining the Fleet's perspective on a variety of environmental issues. The second day's schedule usually includes practical environmental training and a number of technical sessions about maintenance technologies.

And the third day of the EIE usually consists of a guided tour of a nearby maintenance facility and a tradeshow of innovative maintenance technologies.

Hundreds of representatives from various Navy and Marine Corps hazardous material, supply, support equipment, ordnance and corrosion control programs have attended past Exchanges to discuss environmental maintenance-related issues with NAVAIR's environmental and acquisition experts. The Exchange also provides opportunities for sailors and Marines to learn about new and emerging technologies, network with the Navy's environmental experts and receive training credits.

The primary goal of every EIE is to identify unresolved Fleet environmental needs and provide solutions in real time at the meeting. Needs that cannot, for whatever reason, be resolved at the EIE are assigned to the appropriate NAVAIR subject-matter expert for follow-up action.

# The Annual Fleet Environmental Information Exchange



After an early morning round of flight operations, maintenance personnel ready an F-14 "Tomcat" for its next launch.  
U.S. Navy photo by Photographer's Mate 3rd Class Jayme Pastorico



Aviation Machinist's Mate Airman Casey Demarse scrubs a P-3 as part of preventative maintenance and corrosion control schedule.  
U.S. Navy Photo by Photographer's Mate 2nd Class Catherine R. Kee

## A Brief History of the EIE

NAVAIR has sponsored the EIE for the past seven years.

The following table contains a brief summary of all Exchanges held since September 1999.

No.	Where	When	Attendees & Action Items	Details
1.	Jacksonville, FL	September 1999	12 attendees developed identified 28 action items.	Hurricane Floyd resulted in low attendance.
2.	New Orleans, LA	June 2000	40 Fleet representatives identified over 30 action items.	Evening trips to Bourbon Street added some color to the meeting.
3.	San Diego, CA (Naval Air Station North Island)	June 2001	Nearly 100 sailors identified 70 action items.	First EIE tradeshow exposed attendees to innovative maintenance technologies.
4.	Norfolk, VA (Naval Air Station Oceana)	June 2002	Over 50 attendees including 24 sailors and Marines identified 47 action items.	Large contingent of Marines present.
5.	San Diego, CA (Naval Amphibious Base Coronado)	April 2003	Over 100 attendees identified several dozen action items.	Attendees received hazardous materials management training.
6.	Jacksonville, FL (Naval Air Station Jacksonville)	April 2004	Over 140 attendees—more than half (78 in all) were uniformed maintenance personnel. 54 action items identified.	Attendees participated in tour of innovative maintenance technologies at the Naval Air Depot Jacksonville, FL.
7.	San Diego, CA (Marine Corps Air Station Miramar)	April 2005	Over 150 attendees are anticipated.	Marks the first time the EIE was held at a Marine Corps facility.



## Day One: Fleet Perspectives

The first day of the EIE is dedicated to understanding the Fleet's perspective. What environmental and maintenance challenges was the Fleet struggling with? How could NAVAIR help? What, in particular, could the assembled maintenance experts from NAVAIR (and other Commands) do to help?



Aviation Machinist's Mate 3rd Class Eric Coleman removes a T-56 intake from a P-3 "Orion" aircraft during routine maintenance and repair. U.S. Navy photo by Photographer's Mate 2nd Class John Collins



Aviation Machinist's Mate Delone Campbell performs maintenance on the tail rotor of an SH-60 Seahawk. U.S. Navy photo by Photographer's Mate Airman Kevin S. O'Brien

## Taking Action at the EIE

Sailors and Marines assembled at past Exchanges have identified numerous action items for NAVAIR's environmental community to tackle. These items range from the availability of preferred maintenance equipment to the proper use of hazardous materials. The majority of the actions deal with acquiring information of one sort or another in categories including supply, cleaning, equipment, material substitution, hazardous waste disposal or hazardous materials management, shelf life, training, and maintenance instructions.

Sailors and Marines have the opportunity to submit questions/problems dealing with environmental, safety and health issues. These submissions are captured in a database and assigned for action to a team of maintenance experts. Most of the action items can be addressed during the course of the meeting.

Training is an issue that appears many times in the actions submitted by the Fleet. Overall, the Fleet wants more information about the availability of classes and wants to ensure that the content of these courses is geared toward the aviation maintenance community.



Aviation Machinist's Mate 1st Class Sage Mathis uses a bore scope fiber-optic camera to closely examine a blower drive shaft for cracks and corrosion during a maintenance inspection. U.S. Navy photo by Chief Photographer's Mate Chris Desmond



An Airman performs maintenance on an SH-60 Seahawk helicopter aboard the USS HARRY S. TRUMAN (CVN 75). U.S. Navy photo by Photographer's Mate 2nd Class Andrea Decanini

## Day Two: Training & Technical Sessions

The second day of the EIE is usually focused on training. In the past, attendees have received refresher courses on the following topics, among others:

- The proper management of hazardous materials,
- Hazardous Communications,
- Environmental Management Systems (EMS),
- "Safety in the Workplace and Beyond" (concentrating on practical methods for avoiding workplace injuries), and
- The Consolidated Hazardous Material Reutilization and Inventory Management Program (CHRIMP).

The schedule for the afternoon of the second day of the EIE usually consists of a series of concurrent technical sessions that allow attendees to receive short briefs and one-on-one attention on a wide range of topics.

## Technical Sessions at the EIE Open Forum

The schedule for the second day of the EIE usually includes a series of technical sessions. These sessions provide the assembled sailors and Marines with an opportunity to speak with a variety of experts about their ongoing maintenance (and environmental) challenges and find appropriate solutions.

### No. Lead Maintenance Technology Center

1. Adhesives, Bonding & Sealants Composite Repair
2. Aviation Hydraulics/Fluid Contamination
3. Corrosion Control
4. Environmental Working Integrated Product Team
5. Fuel Cells & Tanks
6. Joint Oil Analysis Program/Fuels & Lubricants
7. Liquid Oxygen
8. Material Substitutions
9. Non-Destructive Inspection
10. Pollution Prevention & Support Equipment
11. Product Preservation
12. Shelf Life
13. Tires & Wheels





Aviation Machinist's Mate 2nd Class Manolito Pimentel installs veins on the rotor of a T-56 engine.  
U.S. Navy photo by Photographer's Mate 2nd Class John Parker

### Day Three: Maintenance Facility Tour & Tradeshow

The third day of the EIE usually begins with a tour of a nearby maintenance facility. This tour provides EIE attendees with an opportunity to see the latest aviation maintenance technologies demonstrated in an actual working environment. Among the technologies included in previous EIE tours were a powdercoating application, a helium leak detection system, a bulk paint dispensing system and a high velocity oxygen fuel coating system.

During the afternoon of the third day, EIE attendees benefit from hands-on demonstrations of new technologies at the Exchange's tradeshow. Previous demonstrations included the proper use of technologies already transitioned as well as those emerging from the Navy's laboratories. NAVAIR wants to ensure the Fleet has the latest and greatest technology and the knowledge to properly apply it. EIE tradeshow have included a number of corrosion control technologies as well as tools to assist in corrosion touch-up repairs, sealant and mildew removal tools as well as particle counters, paint gun cleaning technologies and new aircraft wash pads.



Aviation Machinist's Mate 2nd Class Wilfredo Medina works on an engine electrical harness for a P-3C aircraft.  
U.S. Navy photo by Photographer's Mate 3rd Class Elizabeth Acosta

### EIE Tradeshow Showcase Innovative Maintenance Technologies

NAVAIR's aviation maintenance experts among others participate in EIE tradeshow and demonstrate the following technologies and programs:

#### No. Technology/Program

1. Aircraft Stenciling System
2. Aircraft Wash Pads
3. Aviation Devices and Electronic Components (AvDec) Sealant
4. Composite Repair/ Solution-Gelation (Sol-Gel) Bonding
5. Corrosion Control Kit
6. Digital Radiography
7. Magnesium Treatment Kit
8. Naval Air Systems Command Environmental Web Site
9. Navy Environmental Leadership Program
10. Paint Gun Cleaning Station
11. Particle Counters
12. PreVal™ Sprayer
13. Product Packaging & Preservation
14. Propeller Oil Collection Device
15. Radial Bristle Discs
16. Sealant & Mildew Removal Tools
17. Sealants & Adhesives
18. Steam Cleaning
19. Thermal Imagery
20. Thermal Transfer Printing System
21. Vacuum Sanding



### Raves About the EIE

***“Overall, outstanding!! A homerun!  
Great information and even greater contacts.”***



*“This was by far one of the more productive conferences I have attended. There was a very good mixture of activities which kept you involved and interested.”*

***“Overall I felt it was very informative and felt that there was something for everyone.”***

*“Personally I had no idea what NAVAIR was until now. You really made it worthwhile for me. I now have a better understanding of the different types of support there is out there.”*

*“Awesome gathering of environmental information.”*

***“Professional staff and highly knowledgeable in all areas.”***

*“A class act—please keep it going. Informative and enjoyable—two qualities that are not the norm at most conferences.”*

***“Excellent! Great take-home knowledge and contacts.”***

*“Matching a name to a face was something I wanted to accomplish and I did.”*

***“The EIE really helped me understand and how to use NAVAIR.”***





*"Extremely informative, atmosphere was conducive to learning and comfortable. People in my areas of concern were available for questions and provided valuable insight."*

***"The one-on-one communication was outstanding. I made many contacts to obtain any additional information that I may need."***

*"The format for the EIE went above and beyond what I expected of the typical presenter-speech- questions format. The EIE organizers put together a fulfilling session focused on the participants."*

*"I got a much better understanding of Depot capability/processes. I would recommend my Command send someone every year."*

***"Good information on what NAVAIR is doing to protect the environment."***

***"The EIE far exceeded my expectations! I'm leaving here in the know!"***



*"I have new insights into the future environmental projects, technology, and military involvement in lessening our environmental impact."*

***"This was a total learning experience."***

*"I was able to get the information I needed about shelf-life extensions for hazardous materials. We have been trying to get training on this for the last six months."*



### The Benefits of Using AIR 1.1E Product & Services

Through the effective planning, management, tracking, and monitoring of available resources, AIR 1.1E is institutionalizing sound environmental, safety and occupational health (ESOH) principles across NAVAIR. The benefits of this process include:

- a Reducing environmental risks and liabilities,
- b Achieving environmental benefits and cost savings,
- c Improving industrial processes,
- d Achieving program missions at a competitive advantage, and
- e Maintaining environmental compliance.

### How to Acquire AIR 1.1E Products and Services

To acquire any of the products or services offered by AIR 1.1E, contact the AIR 1.1E representative listed below at least 12-18 months prior to a scheduled milestone review. AIR 1.1E will provide a proposal and cost estimate for the products and services required and assign an Environmental, Safety and Occupational Health Coordinator to the task.

*For more information about AIR 1.1E products and services, visit the NAVAIR environmental website at [www.enviro-navair.navy.mil](http://www.enviro-navair.navy.mil) or contact an AIR 1.1E representative.*



[www.enviro-navair.navy.mil](http://www.enviro-navair.navy.mil)

#### CONTACTS

**Cindy Webber**  
**Naval Air Weapons Center**  
 China Lake, CA  
 760-939-2060  
[cynthia.webber@navy.mil](mailto:cynthia.webber@navy.mil)

**Lynn Cahoon**  
**Naval Air Depot**  
 Cherry Point, NC  
 252-464-8141  
[albert.cahoon@navy.mil](mailto:albert.cahoon@navy.mil)

**Herman Varmall**  
**NAVAIR Program Management**  
**Community Support Department**  
 Environmental Support Office (AIR 1.1E)  
 301-757-2155  
[herman.varmall@navy.mil](mailto:herman.varmall@navy.mil)